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CATCTGCATGAGGATGGAGATCTTGGGCTGCCACTGCCGATCCTAATAACTATTATCACCGACGTAATGAGATGA
CCACCACGGATGACCTGGATTTTAAGCACCACAACATAAGGAAATGCGCCAGTTGATGAAGGTTGTCAATGAAATG
TGCCCCAATATTACCAGGATTTACAACATTGGCAAAAGCCACCAGGGCCTGAAATTGTATGCGGTAGAGATCTCTGA
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GAAGCTGCGGGGACGGAAAAGCGGCAGCGTGGGTGACCCTGTGCGACACTTGAGACATACCCCAGACCGTGCAAT
AAAAATCCACTCCAGTAGTAAAAAAA

(SEO ID NO:1)

Figure 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[AGGCTGTCCCACCCACCATCTGCACCCGCTGCAGCGCCCGCGCCCCCTGTCCCCGCGCCGT
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TTACAGCCAGGAGCTCTGGCGGGCGGGCGCTATTATGGGCATCCGGAGCCTGAGCCGGA
GCCGGAGCTCTTCTCGCCTTCAATGCA] TGAAGACCTTAGGGTGGAGGAGCAGGAACAGC
AGGAGCCGCACCCAGCAGGGCCACAGAACTCCCAAGAAGGCCATCAAGCCCAAGAAGGCTC
CCAA [GAGGGAGAAGTTAGTTGCAGAGACGCCTCCACCAG] GTAAAAATAGCAACAGAAA
AGGCAGAAGAAGCAAGAATCTTGAGAAAGCTGCCAGTGATGACCATGGTGTCCCTGTGGC
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CATTACCAAGGAAGGAAGTCTCTCTGGCTGAGTGACTGGGTGACATCCTATAAAGTCAT
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TGAAGGAAAACAGTGAGAAGGAGATTCTGTGCTCAATGAGCTGCCAGTCCCCATGGTGGC
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CCGCTGGCTGGCGTATTCTACGCCTCCACTACCGCCTCATGACAGATGCCAGGAGGCG
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CATCTACGTGGGCTGTGATAAATACCCACACGAGAGCGAGCTGCCGGAGGAATGGGAGAA
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GAGAGATTTACAAGGGAAAGGGATTTCAAATGCTGTGATCTCTGTGGAAGGTGTTAACCA
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Figure 2A

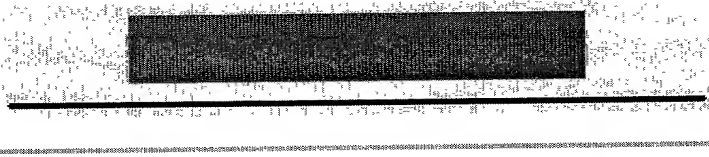
Gene Sequence Structure
*

327 bp

Sequence Deleted

422 bp

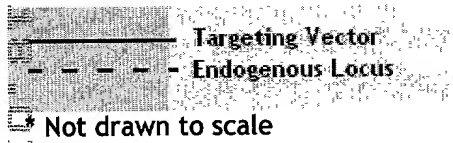
Size of full-length
cDNA: 2490 bp



Targeting Vector* (genomic sequence)

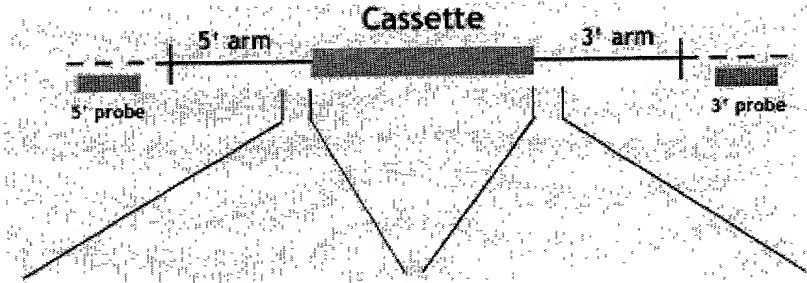
Construct Number: 2825

Arm Length:
5': 4 kb
3': 1.5 kb



LacZ-Neo

Cassette



<p>5' >GGCATGGCCCGTCTGGGGACC GCCTGCCCTGCGCTGGCGCTGGCC CTGGCACTTGTGGCGGTGGCCCTG GCTGGAGTCAGAGCCCAGGGCGCA GCCTTCGAGGAGCCTGACTATTAC AGCCAGGAGCTCTGGCGGCGCGGG CGCTATTATGGGCATCCGGAGCCT GAGCCGGAGCCGGAGCTCTTCTCG CCTTCAATGCA<3' (SEQ ID NO:3)</p>	<p>5' >GAGGGAGAAGTTAGTTGCAGA GACGCCTCCACCAGGTAACTTTTG CATCGGGCAGCCCGAGGGGCGCC AGCGATCGTGGCACTCCAGGGGAC ACCTGGCTTCCAGTATGTTTTCTT GAGTGAGCCCAGCCAAAGTCCTGT GGTGCCTGTGTTATTCCCTAGAGA CTACATCTGAGCTAAGTTCAGCTT TCTCTCCCTGC<3' (SEQ ID NO:4)</p>
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Figure 2B

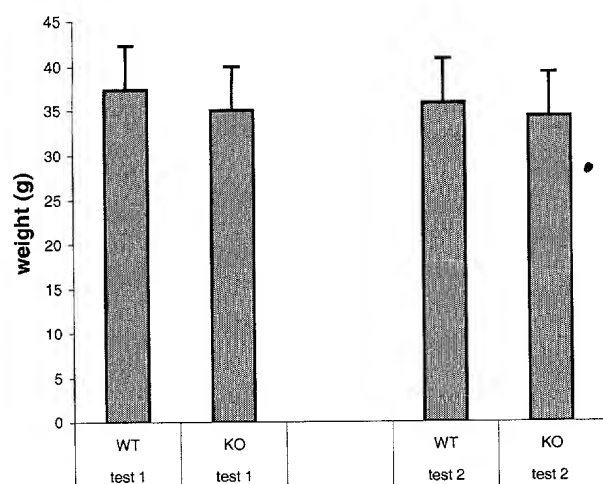


Figure 3

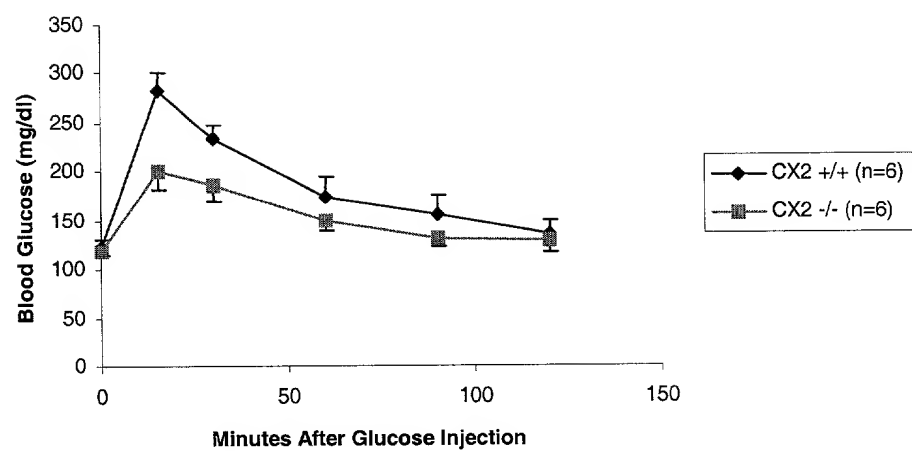


Figure 4